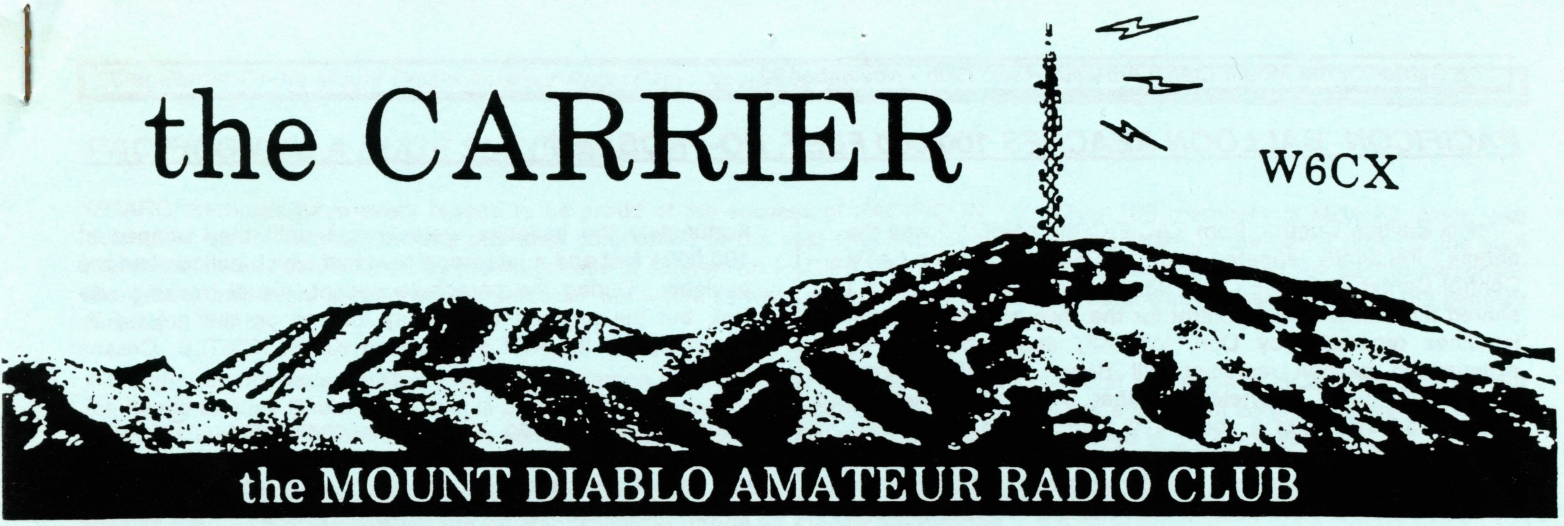
the CARRIER

W6CX



the MOUNT DIABLO AMATEUR RADIO CLUB

ARRL SPECIAL SERVICE CLUB

Volume XL - Issue 11 - November 1993
Editor - Greydon H. Hicks, KC6SLE
Distribution: Jay Caldis, KT6Y, Walt Ebbett, KB6QIB, and George Jones, KI6YK

The opinions expressed in the Carrier are solely those of the author and do not necessarily reflect the opinions of either the Board of Directors or membership of MDARC unless the author is a member of the MDARC Board of Directors and is speaking in an official capacity.

FROM THE PRESIDENT

PACIFICON '93 was an outstanding success, in case you had not heard. This was the result of the work of over 100 members who devoted hundreds of hours. The success is due not just to those, and there were a number who worked almost full time, but to a great number who took on various individual projects and followed through with them. I think the enthusiasm of all is what really carried it. I want to also acknowledge that we had a lot of support from other clubs in talking up the convention. It was not just MDARC that made it a success.

ELECTION of club officers will held at November 19 general membership meeting. Ballots are included with this Carrier and can be mailed in to the club post office box or delivered at the November meeting. A separate ballot is enclosed for each member. Where a single copy of the Carrier is mailed to two members, e.g. a husband and wife, a separate ballot for each is enclosed.

SCHOLARSHIP information is included in this Carrier and we encourage anyone who knows of a possible applicant to pass on the information. The applicant must be an undergraduate college student or graduating high school senior, a resident of Contra Costa County or member of MDARC, and be licensed or awaiting a license.

CODE PRACTICE. GEORGE ROUSH, WB6OFH, reported at the last board meeting that Don Johnson, W6QIE, with the help of North Peninsula Electronics Club, will not be able to continue the code practice which has been an institution every evening at 3590 kHz. If anyone is interesting and willing to keep this code practice on the air please contact GEORGE ROUSH or communicate your interest to any club officer.

CHRISTMAS PARTY is scheduled for December 17 under the direction of GEORGE ROUSH, and as usual with a lot of assistance by BERTHA ROUSH. RICHARD SHAPPEE, WA5HQJ, has agreed to provide a program. All this talent floating around. Reservation forms are also in this Carrier.

PACIFICON '94 will be considered at the November meeting. On the assumption that MDARC will again be the host, the PACIFICON committee is meeting November 13 at the usual place, Legends Restaurant, at 8:30 to consider and recommend to the MDARC board a chair for next year.

FIELD DAY was also a great success. LAUREN STYLES, WA6CIE, announced that MDARC placed 3rd in California and 14th in the US in its class. Congratulations to the Field Day participants. We are closing in fast on the number one position.

Dick Schulze, AA6DL @ WA6AEO

NOVEMBER MADRC SPEAKER

Brian James, KD6TPN, will be the speaker for the MDARC general membership meeting on November 19. His subject will be Red Cross's activities for earthquakes and fire storms and whatever disaster that might come along. He will bring the Red Cross communication van for display and you may compare it to other van's you have seen.

This will be the last program I arrange for this year. December's MDARC meeting will be the annual Christmas dinner. It has been a real pleasure to serve MDARC as vice-president for 1993.

Dick Tomsik, KJ6YE

PACIFICON BALLOON REACHES 100,000 FEET, NO-PROBLEM!

"This is Balloon Control, from PACIFICON, KM6QX," was the phrase I frequently repeated from the Balloon Tracking / ATV Control Center at PACIFICON '93. Richard WA5HQJ, and I shared the duties of net control for the two amateur balloon launches organized by Don, W6NKF, and conducted by experienced balloon launcher Bill Brown, WB8ELK, from Ohio. The 10 ft. diameter "weather balloons" carried an electronics payload of a color ATV camera and transmitter, 2m simplex digital voice recorder repeater, GPS receiver and packet TNC for position and altitude telemetry, 2m beacon for RDF, and a solid state audible alarm to aid in final recovery. All this capability promised to make for an exciting balloon launch; we would watch the view on ATV, plot the balloon's location from GPS data via packet, and the chase teams could track the balloon with RDF equipment, no-problem!

Saturday morning started out perfect, except for the abnormal winds from the South which would blow the balloon towards Napa, while the chase teams were waiting for it in Tracy, no-problem! Also, the 2m repeater planned for balloon chase coordination wasn't working, no-problem! The payload required two balloons, one of which became untied shortly after launch, no-problem! The balloon's 2m radio went QRT a few minutes later (thermal shock on a battery solder joint), no-problem! The ATV pictures were clear, colorful, but vigorously panned Contra Costa County as the balloon rapidly ascended at 2000 feet per minute necessitating the dispensing of motion sickness tablets to those sitting too close to the ATV monitors, no-problem!

So, the 147.735 WA6HAM repeater system was used for Balloon Control Net. The chase teams, with their sophisticated 2m RDF antennas and doppler electronics, had only a strong but quiet 434 MHz ATV to take bearings on. Fortunately the balloons were visible until they popped at 100,000+ feet and a telescope revealed which balloon had the payload. During the parachute decent, visual tracking was lost, but the payload was easily located on the ground by searching for it's ATV signal from Kim's, KD6TLB, Cessna airplane.

Sunday's launch had some new challenges. The GPS receiver was stuck in Kansas, thus sending an invalid location via packet whenever the frequency was clear, which was almost never above 10,000 feet, no-problem! So back to visual and ATV RDF tracking, with an occasional packet burst on 2m for the chase teams with doppler. Finally, the chase plane watched the rapidly descending payload crash into an orchard, via ATV using a pocket television!

Saturday's launch traveled 30 miles and landed on Ryer Island, north of Rio Vista. One chase team, after crossing Steamboat Slough on a ferry, met another chase team waiting to cross in the opposite direction, no-problem! On Sunday, the payload landed at Five Corners, NE of Manteca, 51 miles from the Concord Airport.

The chase teams included: Sid W6QWK, Tony AB6BR, Greg KJ6EP, Larry KD6FFM, Monty KM6LT, Bill K6TYO, Pete N6YIF, John KD6FFQ, Rob KD6KGC, Pete KD6LNV, Terry N6MON, Rich KN6SW and Don KD6IRE. Debra N6MQQ, one time residence of the Delta, assisted in interpreting ATV pictures during the decent to help locate Saturday's landing site. Are we going to do it again next year? You Bet! No-Problem!!

John Stuart KM6QX @ WA6AEO.

LOOKING FOR A NEW PROJECT?

For some time I have been interested in the possibilities available with ATV. In particular its use for emergencies and pubic service. The problem has been how do you best utilize ATV. Many ideas have been proposed, but the one I have been dwelling on is the one presented at PACIFICON '93. The idea of putting an ATV transmitter on a balloon. I would like to have more control than a weather balloon, so I am proposing to build a radio controlled blimp with ATV and other ham electronics. I am also looking for other people who are interested.

There are many advantages to a blimp over other radio controlled aircraft. Blimps can stay aloft longer, are safer, and should be easier to control. Of course a blimp large enough to hold a quality ATV camera will be quite large. For example, a blimp that can lift 20 pounds would be 25 feet long and 6 feet in diameter! To build a blimp with this capacity will require some real technical excellence. We would need a group to work out the structure, rudder, and aileron mechanics, a group for propulsion and power, a group for radio control electronics, and a group for the ATV optics and electronics.

If you are interested in helping please call me. I can be reached at (510) 680-0920. If there is enough interest, I will call a meeting and we can get started!

73 Pete N6QGN

PACIFICON '93 SPEAKERS

Missed any talks at PACIFICON '93?

Audio tapes of most PACIFICON '93 speakers are available from Conference Recording, 1308 Gilman St. Berkeley CA 94706. (510) 527-3600.

PACIFICON '93 A HUGE SUCCESS!

MDARC members have every reason to be proud of the success of PACIFICON '93. Over 100 members of MDARC, along with dozens of hams from around the bay area contributed to the best PACIFICON ever. As I printed up the name tags for the staff members, I was overwhelmed by the magnitude of support for PACIFICON '93. During the convention I tried my best to personally thank each and every person who volunteered, but with a convention as large as PACIFICON that was impossible. To all the people I missed -- THANK YOU.

Although I do not have the space to list each person here, I want to say a special thanks to John McKenzie KD6QEC, for the excellent job he did as Vice Chairman. John is a professional convention planner and it was his tireless efforts that contributed the most to our success. Incidentally John became a ham at last year's PACIFICON and that is when he decided to get involved!

Almost two-hundred people took exams this year and I understand the pass rate was above average. (We have above average people around here!) Thanks to the Solano County VE group for the fine job they did.

The balloon launch and subsequent successful recovery were the highlight of the weekend. A special thanks to Don Smith W6NKF, and Bill Brown WB8ELK for the hard work. The first balloon was found near Rio Vista, and the second balloon was found out past Stockton. Thanks also to our excellent transmitter hunters.

Attendance was approximately 2,600 people, with over 800 showing up at the door. The hotel was sold out, and at times getting into the exhibit hall was a major undertaking. Thirty-six exhibitors were on hand displaying a wide variety of ham equipment. Thanks to Kent KD6JEC and all our security volunteers for keeping things moving and safe. And thanks also to Greydon KC6SLE for his many hours of hard work for our exhibitors.

Three dozen technical sessions where held and the highlight was Captain Al. Haynes discussing the crash of flight 232. He made many important points for all of us in the Amateur Radio Service. If you did not hear his talk, get a copy of the tape -- it is worth it. Thanks again to Larry W6CPO for the great job on technical sessions.

There were many other things happening and many more thanks are due to the wonderful people who helped. I am sorry I cannot list them all here. As we gear up for PACIFICON '94 why don't you join us? If you have something you would like to see, or if you just want to be a part of a winning team, give me a call. You'll be glad you did. 73

Pete Tormey N6QGN, Chairman, PACIFICON '93

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MT. DIABLO AMATEUR RADIO CLUB
Richard M. Schulze, AA6DL, President
1599 La Casa Court
Walnut Creek CA 94598-4856

ANNOUNCING A $1,000.00 SCHOLARSHIP

Deadline:	December 1, 1993
Award date:	January 21, 1994
Open to:	High School Seniors and College Undergraduates who are Amateur Radio Operators

The Mt. Diablo Amateur Radio Club announces a $1,000.00 scholarship to be awarded in January, 1994. Closing date for entrants is midnight December 1, 1993. Applicants must hold any class of Federal Communiations Commission Amateur Radio License, or show proof that such a license is pending.

In addition, scholarship applicants must be residents of Contra Costa County, or be a member of the Mt. Diablo Amateur Radio Club residing anywhere in the United States. The scholarship will be awarded to a full-time graduating high school senior, or an undergraduate college student.

The scholarship is for attendance at any community or state college or university, or any accredited college, university or trade school.

Applicants are required to submit a typewritten letter outlining how they intend to use amateur radio in their life and their intent to maintain an active participation in amateur radio during their adult life, with emphasis on public service. Finalists must attend an interview.

Letters (one per applicant) must be prefaced with: Name, FCC call, address, telephone number, and school of attendance. If awaiting an FCC call, proof of having passed FCC amateur examinations is required to be attached (photocopy).

Applications must be postmarked no later than midnight, December 1, 1993 and must be sent to:

MT. DIABLO AMATEUR RADIO CLUB
Richard Schulze, AA6DL, President
1599 La Casa Court
Walnut Creek CA 94598-4856

PWG:WRI 10/19/93

A NOTE FROM JOLLY OLD . . .

We've received the following from Brian Coyne, AA6NM, who, you will remember, served as MDARC's TVI/RFI chairman until he moved (back) to England this summer:

"Due to the fact that our house in CA sold very quickly, we had to leave without having time for many goodbyes. I am only active on 2m at present due to a temporary location in Henley, a beautiful town in the Thames Valley. I miss the Sheriff's and other RACES activity. There is an emergency group called RAYNET but its activities and reputation are varied. I understand that each county has an emergency communications officer but in many counties no one is in that position. I have already witnessed many, many situations where an organized and trained amateur group could have provided valuable assistance. Maybe I should take on the project of organizing and training!"

Go to it, Brian and 73 from the States!

PACKET BBS FREQUENCY CHANGES

There have been changes in the frequencies on which some of the Contra Costa County Packet BBS's are now operating.

The South County BBS, **KI6YK**, located in San Ramon, is now operating on **144.97 MHz**. The Danville digipeater to that BBS, KI6YK-3 is, of course, also on 144.97. The Highland Ridge Node/Digipeater, HIGH, will eventually also be on that frequency.

The Central County BBS, KI6WE, is no longer in operation and has been replaced by **WA6AEO**, in Concord on **145.09** as well as **441.5 MHz**.

It is expected that a new packet BBS, **N6VZT,** will be in operation in Brentwood in the near future on **144.93 MHz.** Look for it!

The other Contra Costa County BBS's will continue their operation as before: KA6FUB in Martinez on 144.99; and AA6QR in Orinda and WA6HAM in Pittsburg on 145.73 MHz.

-George Jones, KI6YK-

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Joe, KD8GA, Mgr.

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Tom, KM6K, Mgr.
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San Diego Fwy
at Victory Blvd.

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Bob Ferrero W6RJ
President/Owner

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MEMBERSHIP DIRECTORY UPDATE

by George Jones, KI6YK

We are very pleased to welcome the following new members:

BOETTCHER, Kent N.; KE6BFO, Technician
1011 Marie Ave., Martinez, CA 94553
(510)229-3416(h), (510)370-6656(w)

CORE, Robert (Rob); KD6ZMG, Technician
2924 Honeynut St., Antioch, CA 94509
(510)294-1237(w)

de la PENA, Eme; KC6MLI, Technician
P.O. Box 91, Concord, CA 94522
(510)943-4859(h)

HOFFMAN, Josh; KD6WJX, Technician
139 Paraiso Dr., Danville, CA 94526
(510)838-0270(h)

HOODYE, Morris; awaiting Technician's license
25 Sparrow Hawk Ct., Oakley, CA 94561
(510)625-7212(h), (510)423-4795(w)

KELSEY, Mason; Technician license pending
2055 Sierra Rd. #93, Concord, CA 94518
(510)827-3787(h)

MADSEN, Erlyn G.; N6VPG, Technician
544 Highland Dr., Danville, CA 94526
(510)820-2212(h)

PATRICK, Stan; KE6AOH, Novice
7115 Lockwood St., Oakland, CA 94621

ROSE, Neil M.; KD6IDU, Technician
26 Rolling Green, Pleasant Hill, CA 94523
(510)689-8429(h)

RUSSO, Mike; N6EVG, Advanced; 1428 Gaucho Ct., San Jose, CA 95118; (510)638-0133(w)

SCALI, Joseph (Joe); KE6CTD, Technician
5103 Simoni Ct., El Sobrante, CA 94803
(510)222-2733(h)

SCHIRATO, Craig; License pending
2912 Putnam Bl., Walnut Creek, CA 94596
(510)932-0199(h)

SCHIRATO, Nicholas (Nick); License pending
2912 Putnam Bl., Walnut Creek, CA 94596
(510)932-0199(h)

SEVERNS, Paul D.; SWL; 1920 Monument Blvd. #546, Concord, CA 94520; (510)686-1253 (h)

STANTON, Anthony W.; License pending
349 Blackleaf, Pittsburg, CA 94565
(510)439-0189(h)

STEWARD, Alan; KD6ZOT, Novice
721 Lafayette St., Martinez, CA 94553
(510)229-4902(h)

STONE, Mary; AB6VI, Extra; 2915 W. Princeton Ave., Stockton, CA 95204; (209)467-1503(h)

TROWSDALE, Bill; License pending
2824 Honeysuckle Cir., Antioch, CA 94509
(510)754-1199(h)

VOLLERT, Mitch; KD6ZML, Technician
870 Richard Lane, Danville, CA 94526

Congratulations to the following on their upgrade and/or new call:
John Dennis: KN6HD
Brian Gansz: Technician
Richard Liniger: KE6CEU
Sam Lipson: Technician, KE6BPB

Please note the following changes:
Brian Coyne's new address is 37 Damer Gardens, Henley on Thames, Oxon RG9 1HX, England. He has reverted to his English call: G3DCO.
John Dennis' new address is P.O. Box 30955, Tuscon, AZ 85751-0955.

MDARC RENEWALS

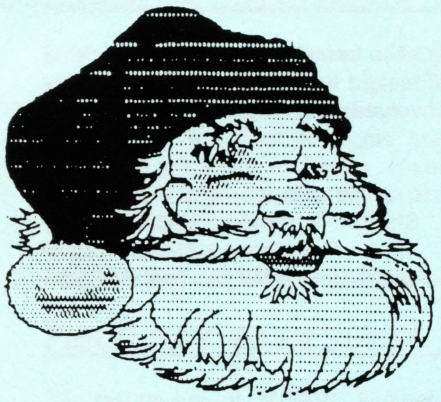
Membership renewal notices for 1994 will be mailed December 1st. The good news is that MDARC dues will remain $15.00, and $5.00 for additional family members. The bad news is that dues should be paid by December 31, 1993 and will be delinquent if not paid by January 31, 1994. So please renew your MDARC membership just as soon as you can after you get the notice. A postage paid, addressed envelope will be included.

MEETING VISITOR

Jack Feley, KE6BOT, 5187 Greenmeadow Dr., Concord, CA 94521, was a visitor at the MDARC October general meeting. Jack has been a Red Cross Volunteer worker for many years. He reported on the progress in installing Red Cross and Amateur radio equipment at the American Red Cross Diablo Chapter Building in Concord. He also told about the Red Cross Communications Vehicle and was invited to display it at PACIFICON '93.

MDARC'S CHRISTMAS PARTY

Elsewhere in this issue of the Carrier is an announcement about the upcoming Christmas Party. Since attendance is limited by the size of the church building to 260 people, it's important that you make your reservation as soon as possible. You may either mail in the Reservation Form in this issue of the Carrier, or turn it in at the next club general meeting on November 19th. In either case, a check for your reservation will need to accompany it. See you there!



MT DIABLO AMATEUR RADIO CLUB
CHRISTMAS PARTY

The Christmas party is for the entire Club Family. Plan now to attend. Send in your Reservation Form now.

Date: Friday December 17, 1993
Time: Doors open at 6 P.M.
Dinner served at 7 P.M. Sharp.
Place: Our Savior Lutheran Church
1035 Carol Lane, Lafayette.

MENU: This will be a catered traditional turkey dinner to include Green Salad w/dressing, Hot Turkey Breast, Stuffing, Turkey Gravy, Candied Yams, Cranberry Sauce, Rolls, Pumpkin Pie w/Whipped Cream and Beverages. Dinner service supplied.

Cost: $7.75 each adult (incl. tax). Children under 12 years $3.90 each. Liquor is not permitted in the Church social room.

After dinner, Santa will distribute gifts and candy canes to the children, followed by the installation of the 1994 Club Officers, the Presentation of Club Awards, Door prizes. (Everyone will receive a free prize ticket). *Remember to bring a gift for Santa to give your child.*

Talk-in frequency W6CX 147.06/+ PL 100 HZ

RESERVATIONS WILL NOT BE ACCEPTED AFTER DECEMBER 13, 1993

Mail to: George Roush (WB6OFH), 2116 Athene Drive, Concord, 94519

Reservation Form for Club Christmas Party

Name(s)_____Call Sign_____

Address_____City_____Zip_____

Telephone ()_____

Reservation is for: # Adults_____# Children under 12_____

Total payment enclosed: $_____(must be included).

Make checks payable to MDARC.

BART EMERGENCY DRILL

Early Sunday morning, November 7, 1993, BART conducted a multi-casualty drill in the Berkeley Hills tunnel. A train experienced a simulated explosion that produced one simulated death and about 20 simulated injuries. BART asked the Red Cross to assist by providing the casualty victims and to provide a canteen truck. A number of amateurs were involved assisting the Red Cross to coordinate a feeding operation and other aspects of the Red Cross involvement.

The Amateurs participating in this exercise were: Bob Hughes, N6SPY; Dana Preston, KE6DEB; William Spice, KN6MU; William Brimmer, N6LZM; Loren Woolf, N6AYU; Brian James, KD6TPN; John McKenzie, KD6QEC; Sharon Primpson, AA6XZ; Henry Primpson, KK6PH; Bert Dawson, KB7BGM; Steve Donovan, WB6SAI; Rich Parker, KD6JCT; R. L. Robinson, N6MNL; Rachel Lewellen, KB6LHR; Richard Shappee, WA5HQJ; Paul Lewis, WD6ATJ; Jack Feley, KE6BOT and Jim Brunk, N6BHX. The RACES - ARES group thanks these operators for their participation.

Jim Brunk, N6BHX @ KA6FUB

T-HUNT AT PACIFICON '93

Sunday morning at 9:00 about 25 participants met near the swimming pool at the Hilton to take part in the T-Hunt. Three hunts were held, with the first transmitter located on the Hilton property, the second in the immediate area, and the third located on a bicycle. The transmitter for the third hunt failed although it operated long enough that two prizes were given out. The hunt was organized by Syd Furman, W6QWK and others from the regular monthly hunting groups. Monetary awards of $25, $15 and $10 were awarded for first, second and third prize for each contest The participants all seemed to have a good time and it is sure that similar contests will be held at future PACIFICONs.

Richard Shappee, WA5HQJ @ WA6AEO

WOUFF-HONG CEREMONY GREAT SUCCESS

At midnight Saturday, the Royal Order of the Wouff-Hong assembled to initiate new members. The Order is charged with preserving the ideals and tenets of Amateur Radio. Forty five new members were inducted at the ritual, held in secrecy. New members are sworn to secrecy and to uphold the Orders ideals. Certificates will be mailed out in about two weeks. Those who have not previously joined and who are members of the ARRL should make it a point to present themselves to the next initiation at PACIFICON '94.

Richard Shappee, WA5HQJ @ WA6AEO

MDARC Ballot for 1994 Offices

Please vote for one candidate in each office

PRESIDENT	☐ Dick Schulze, AA6DL ☐ (write in)_____
VICE PRESIDENT	☐ Jeff Jones, AB6MB ☐ John Stuart, KM6QX ☐ (write in)_____
SECRETARY	☐ Richard Shappee, WA5HQJ ☐ (write in)_____
TREASURER	☐ Stanford Christian, WU6P ☐ (write in)_____
EMERGENCY COORDINATOR	☐ Bruce Smith, KC6JMN ☐ (write in)_____
DIRECTOR (2 yr term)	☐ Tom Seabury, KC6SYG ☐ Dick Tomsik, KJ6YE ☐ (write in)_____

Ballots should be mailed to MDARC, P.O. Box 23222, Pleasant Hill, CA 94523, or turned in at the club meeting on Friday, November 19, 1993.

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FCC CHIEF PROVES HE IS HUMAN

Marti Volkoff, the local head of FCC operations delighted his audience at the Saturday night banquet with his stories of experiences in the Commission. Numerous questions were raised from the floor after his presentation and he fielded them with great skill and ease. If you were not at the banquet, you missed a great time, a great meal and a great speaker. Be there next time!

Richard Shappee, WA6HQJ @ WA6AEO

FIELD DAY '93 RESULTS

The results are in! MDARC finished 14th out of 72 entries for Class 5A. We were third in Class 5A for California stations. Overall we were 159th out of a total of 2083 entries in the Field Day contest.

Jeff Jones , AB6MB, and I would like to thank all the MDARC members who helped out with making this year's Field Day a huge success! We look forward to Field Day 1994 when MDARC will mount an even more impressive event. See you on the hill.

Lauren Styles, WA6CIE via N6CUK @ Sunvalley Mall

FROM THE AUCTION COMMITTEE

At this time I would like to express my sincere gratitude to many individuals who helped make this year's auction committee a roaring success. It is my understanding that we have met and exceeded our budgetary projections for this MDARC fiscal year.

The reason for our success this year is two fold. First, the fact that so many fine Amateur items were donated to the club simply makes the club's proceeds that much higher. Second, the dedicated efforts of all the committee volunteers who are always available at a minutes notice to jump in and do whatever is asked of them.

Rather than mention any specific names for fear of overlooking or misspelling some one's name, I'll just say a great big thanks to one and all.

Dennis Fuller, KC6QHH

PACIFICON '93 BANQUET

Oh God,

Thank you for this time of nourishment and refreshment offered to us, not the least of which is our ability to "communicate" with each other. We thank you that our ability to communicate with our "higher power" is never "timed out", the message never blocked by "interference" nor our ability to "receive" blocked by our own "depleted batteries".

In gratitude, we "network" in "repeating" AMEN.

Delivered by Elizabeth E. Styles. PACIFICON '93 Banquet

THE ORIGIN OF "73"

- quoted from the ARRL Operating Manual

The traditional expression "73" goes right back to the beginning of the landline telegraph days. It is found in some of the earliest editions of the numerical codes, each with a different definition, but each with the same idea in mind--it indicated that the end, or signature, was coming up. But there are no data to prove that any of these were used.

The first authentic use of 73 is in the publication, 'The National Telegraphic Review and Operators' Guide', first published in April 1857. At that time, "73" meant "My love to you"! Succeeding issues of this publication continued to use this definition of the term. Curiously enough, some of the other numerals used then had the same definition as they have now, but within a short time, the use of 73 began to change.

In the National Telegraph Convention, the numeral was changed from the Valentine-type sentiment to a vague sign of fraternalism. Here, 73 was a greeting, a friendly "word" between operators and it was used on all wires. In 1859, the Western Union Company set up the standard "92 Code." A list of numerals from one to 92 was compiled to indicate a series of prepared phrases for use by the operators on the wires. Here, in the 92 Code, 73 changes from a fraternal sign to a very flowery "accept my compliments,", which was in keeping with the florid language of the era.

Over the years from 1859 to 1900, the many manuals of telegraphy show variations of this meaning. Dodge's 'The Telegraph Instructor' shows it merely as "compliments." The 'Twentieth Century Manual of Railway and Commercial Telegraphy' defines it two ways, one listing as "my compliments to you", but in the glossary of abbreviations it is merely "compliments". Theodore A. Edison's 'Telegraphy Self-Taught' shows a return to "accept my compliments." By 1908, however, a later edition of the Dodge Manual gives us a today's definition of "best regards" with a backward look at the older meaning in another part of the work where it also lists it as "compliments".

"Best regards" has remained ever since as the "put-it-down-in-black- and-white-" meaning of 73 but it has acquired overtones of much warmer meaning. Today, amateurs use it more in the manner that James Reid had intended that it be used--a "friendly word between operators" from the ARRL Operating Manual, 1990 edition, by Louise Ramsey Moreau, W3WRE

Amateur Radio, like most worthwhile endeavors, is largely based on many traditions...(ie, golf, baseball, school, driving, eating, weddings, ad infinitum)..of which the use of "73" is a minute part.

73...Mark, AA6DX -- Eureka, Far Northern California "Heart of the Redwoods"! AA6DX

MINUTES OF GENERAL MEETING

Oct. 15, 1993 Time 8:00 PM 137 people in attendance

The General Meeting was called to order by President Dick Schulze. Stan Christain, Tres., reported a bank balance of $7785.00. Membership Chairman, George Jones informed the members that the present membership is 520. George also informed the group that a Packet class will be offered at the San Ramon Valley Fire Station No. 31 on Saturday Nov. 13 between 9 and 12 am. Contact George, KI6YK, for more details. A total of five visitors introduced themselves. No report from the Carrier editor. Joel Butler reported a Mountain bike ride this Saturday and he could use a few more volunteers. Call Joel at 827-0855. VP Dick Tomsik reported that our speaker for the evening, the Chief of Police of Martinez, would not be here tonight due to a Bank robbery and gunfight he has been involved in most of the day. OO Coordinator, Carson Taylor, K6TI, gave a short presentation regarding the FCC and complaints. All complaints should be handled through the OO program. Lauren Styles reported that about 5000 points were made at field day. This includes 4400 contact points and bonus points. Complete results will be published in the Nov. issue of QST.

Tom Seabury was asked to introduce the slate of officers for the upcoming year. The various people who have agreed to be placed for nomination were introduced and asked to say a few words. There were no new nominations from the floor. The slate for '94 is as follows:

President:	Dick Schulze
Vice Pres:	Jeff Jones
	John Stuart
Secretary:	Richard Shappee
Treasurer:	Stan Christain
Emg. Coord:	Bruce Smith
Director:	Tom Seabury
	Dick Tomsik

The business meeting was concluded at 8:40. PACIFICON presentations were given by members of the PACIFICON committee. Pete Tormey gave a good outline of the conference. The activities forthcoming were discussed such as the balloon launch, Technical sessions etc. The meeting was concluded at 9:50 PM.

Respectfully Submitted, Tom Seabury, KC6SYG, Secretary

MINUTES OF BOARD MEETING

The August Board meeting was held at 7:30 PM on Oct. 18, 1993 at President Dick Schulze's house in Walnut Creek. Present at this meeting was Dick Brown, Paul Girard, Dick Schulze, Larry Gansz, John Stuart, Dick Tomsik, Stan Christain, Tom Seabury, George Jones and George Roush. Minutes of the last General meeting and the last Board meeting were read by Dick Brown. They were approved. Treasurer Stan Christain reviewed the yearly budget to date and indicated we are on track with expenditures and income.

George Jones reported the MDARC membership is now 544. EC John Stuart will be preparing an article for the Carrier regarding the "Quake Net". VP Dick Tomsik stated the November meeting will feature Brian James from the American Red Cross. The MDARC Scholarship was discussed and a news release was presented for review. After minor revisions it was adopted. Director, Dick Brown discussed the various aspects of PACIFICON '94. He stated that there will be many decisions to be made at the Oct. 30th meeting. The November 22nd Board meeting will be at John Stuart's house. The December 20th Board meeting will be at Tom Seabury's house.

Respectfully Submitted, Tom Seabury, KC6SYG, Secretary

"PIZZA" Committee Recommendations

The committee formed to consider what action, if any, should be taken by the club in the matter of the relaxed rulings of the FCC concerning use of repeaters has met and made its recommendation. The committee consisted of Jay, KT6Y; Jim, WB6LQG; Harry, N6TI and Richard, WA5HQJ. The committee recommends that the club do nothing until such time as a problem exists. It was the belief of all the committee members that our membership would not abuse the repeater systems by making auto patch calls that were within the spirit of ham radio.

Richard Shappee, WA5HQJ @ WA6AEO

WALNUT CREEK CONDUCTS SET

Walnut Creek conducted a simulated emergency exercise on October 28, 1993. The scenario described the mid-air collision of two aircraft and the subsequent spread of fuel and debris over a large area. Numerous fires were started (simulated) and traffic was stopped both north and south bound along Hwy. 680. Two shelters were established as were three command posts.

Radio amateurs who participated were N6BHX, WA5HQJ (both at Walnut Creek Police Department), N6AYU, WA6DQN, N6LGE, KA6SHE, WD6GDG and KA6SQN.

In all, about 50 people were involved in the exercise which was concluded at 11:30 AM. Valuable lessons learned included a renewed knowledge that the 2-meter antenna at the Police Department needs to be permanently connected to the transceiver. Until this is done, it is necessary that those manning this location must remember to bring 75 ft of coax and suitable adapters. (We remembered). Additionally, there was an opinion at the Exercise that they needed to use our forms to transmit messages to us. This is not the case and the myth was dispelled.

Exercises like this are valuable not only for training but for good PR for amateur radio and RACES. All participants are thanked for their help and on-going interest in RACES exercises.

The Mount Diablo Amateur Radio Club

P.O. Box 23222
Pleasant Hill, CA 94523

Meetings:
Third Friday Each Month
8:00 PM / 2000 hours
Our Savior Lutheran Church
1035 Carol Lane, Lafayette, CA

Club Officers

President:
Dick Schulze, AA6DL
(510)935-5000

Vice President:
Dick Tomsik, KJ6YE
(510)825-1336

Secretary:
Tom Seabury, KC6SYG
(510)837-4433

Treasurer:
Stan Christian, WU6P
(510)672-0330

Membership Chairman:
George Jones, KI6YK
(510)837-9316

Emergency Coordinator:
John Stuart, KM6QX
(510)283-2797

Directors:
Dick Brown, KT6X
(510)676-9048
Larry Gansz, KB2GV
(510)356-2411

MDARC-PACIFICON HOT LINE

(510)932-6125

Contra Costa County ARES/RACES Nets

Thursdays, 1900 Hours

Central County - 145.680/s
Jim Brunk, N6BHX
(510)372-8248

East County - 146.535/s
Jim Tittle, KC6SOE
(510)432-3220

South County - 146.355/+(100 pl)
George Jones, KI6YK
(510)837-9316

West County - 145.110/-
Rachel Lewellen, KB6LHR
(510)233-5034

QSY to 147.735/- at 1920 Hours
Meeting of all County
ARES\RACES Nets

The Rocky Ridge Repeater Group

P.O. Box 23222
Pleasant Hill, CA 94523

Next Meeting:
Third Wednesday Of Odd Months
8:00 PM / 2000 hours
Stonebrook Convalescent Center
Concord Blvd., Concord, CA

Club Officers

Chairman:
Dwane McGlothin, N6SPX
(510)798-2868

Technical Chairman:
Mike Burke, KB6RMT
(510)682-7296

RRRG Repeaters

147.060/+(100 pl)
224.780/-(077 pl)
441.325/+(100 pl)
ATV - Input - 1253.250
Output - 427.250 (Cable CH 58)

RRRG Nets

Phone Net - Thursdays
1930 Hours, 147.060/+(100 pl)
Net Control: Jay Caldis, KT6Y
ATV Net - Thursdays
2000 Hours, Net Control:
Mike Burke, KB6RMT,
Alt.: Don Smith, W6NKF,
Technical Net - Sundays
1930 Hours, 147.060/+(100 pl)
Net Control: Jeff Jones, AB6MB

Contra Costa County Emergency Services HF Net

First Thursday following
first Wednesday,
2000 Hours, 3.895 MHz
Net Control:
Hank Berriman, W6ZHY, AEC

Carrier

Editor: Greydon H. Hicks, KC6SLE
4517 Shellflower Ct., Concord 94518
(510)798-1251
Folding: Jay Caldis, KT6Y
Mailing: Walt Ebbett, KB6QIB
Labels: George Jones, KI6YK

Sheriff's Amateur Radio Communications Team

Clay Yale, N6YBQ
(510)228-8223

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). This publication is open to all members of MDARC and it is the policy of this Editor to publish all articles submitted by the membership as long as such articles are not obscene, pertain to Amateur Radio, are of interest to the members of MDARC and space is available. Articles are due by the first of each month and are accepted on a first come, first in basis. Articles should be submitted by packet, KC6SLE @ WA6AEO.#NOCAL.USA.NA or packet mailbox, KC6SLE-1 or by modem to the Doug Smith's No Name Yet bulletin board, File area #23, at (510) 827-5714 or delivered to the Editor in ASCII format on either 5.25" or 3.5" computer disk. The standard font is Arial 9 point. The Editor's address can be found in the Carrier or MDARC Membership Directory. Articles published in the Carrier may be reproduced provided that such reproduction credits both MDARC and the author of the article. Copyrighted articles will not be accepted for publication in the Carrier.

CALENDAR OF EVENTS		
Livermore Swapmeet	Las Positas College Livermore	First Sunday Each Month All Year, 7 AM to Noon
MDARC License Classes	Old Pleasant Hill High School, Oak Park Blvd., Pleasant Hill	Every Tuesday Night 7:30 PM
RACES Monthly Meeting	State OEC, Civic Dr. Pleasant Hill	First Wednesday Every Month, 7:30 PM
MDARC General Membership Meeting	Our Savior Lutheran Church 1035 Carol Ln., Lafayette	Friday November 19, 1993
Deadline for Carrier Articles	NA	Monday, December 1, 1993
MDARC T-Hunt	Location TBA	Second Saturday, 7:00 PM
RRRG General Membership Meeting	Stonebrook Convalescent Center 4367 Concord Blvd, Concord	Wednesday, November 17, 1993, 8:00 PM

The Carrier
a newsletter of the
Mount Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523



FIRST CLASS MAIL

[redacted]

NEXT MDARC MEETING IS NOVEMBER 19, 1993
NEXT RRRG MEETING IS NOVEMBER 17, 1993